

GENSET 077AUS

PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Fouillet, et al.) Group Art Unit 1655
 Appl. No. : 09/627,647)
 Filed : July 28, 2000) I hereby certify that this correspondence and
 For : INTEGRATION OF all marked attachments are being deposited
 BIOCHEMICAL PROTOCOLS with the United States Postal Service as first-
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 MICROFLUIDIC DEVICE States Patent and Trademark Office, P.O. Box
) 2327, Arlington, VA 22202, on
 Examiner : B. Sisson)
) February 19, 2002
) (Date)
) *Daniel Hart*
) Daniel Hart, Reg. No. 40,637

SECOND SUPPLEMENTAL AMENDMENT

United States Patent and Trademark Office
 P.O. Box 2327
 Arlington, VA 22202

Dear Sir:

In response to the Communication dated January 2, 2002 asserting that the Amendments filed September 4, 2001 and October 10, 2001 were not responsive to the Office Action mailed May 4, 2001, kindly amend the application as follows:

IN THE CLAIMS:

1. (Amended) A device comprising:
 a microfluidic substrate comprising at least one pathway for sample flow; and
 said microfluidic substrate further comprising at least one temperature regulated
 zone which is capable of cycling between at least two temperatures, said at least one
 temperature regulated zone being adapted to bring at least a portion of said sample
 pathway to said at least two temperatures while a sample is continuously flowing along
 said at least a portion of said sample pathway.